

Title (en)  
Suction apparatus for printing press

Title (de)  
Saugvorrichtung für Druckmaschine

Title (fr)  
Appareil d'aspiration pour une machine à imprimer

Publication  
**EP 0726144 A1 19960814 (EN)**

Application  
**EP 95250268 A 19951101**

Priority  
JP 26960194 A 19941102

Abstract (en)  
A suction apparatus for a printing press includes a plurality of suction ports (9a,9b) and air shutter (15) devices. The suction ports (9a,9b) suck and hold an object used for a printing operation. The air shutter devices (15) are provided to the suction ports (9a,9b) on at least one end portion side not used for a suction operation of a small-size object (10a). Each of the air shutter devices (15) is constituted by a passage block (22) having an air passage (23a) through which air for sucking an object passes, a magnetic member (16) arranged around an air passage opening portion of the passage block (22), and a shutter member (17) consisting of a magnetic material and movable between a closed position where the air passage opening portion (23a) of the passage block (22) including the magnetic member (16) is closed and an open position where the air passage (23a) is open, one of the magnetic member (16) and the shutter member (17) being magnetized. The shutter member (17) moves to the closed position to close the air passage opening portion (23a) of the passage block (22) by an air suction force and a magnetic attraction force between the shutter member (17) and the magnetic member (16) when the suction operation of the small-size object (10a) is performed. <IMAGE>

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Citation (search report)  
• [A] DE 2754370 A1 19790613 - GAO GES AUTOMATION ORG  
• [A] DE 4116510 A1 19911205 - PLANETA DRUCKMASCHINENWERK AG [DE]

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